

# PRINTED CIRCUIT BOARD ROUTING AND POWER DELIVERY FOR HIGH FREQUENCY INTEGRATED CIRCUITS

## ABSTRACT OF THE DISCLOSURE

A printed circuit board includes a signal layer and a supply voltage plane layer. The signal layer includes traces to communicate signals that are not associated with regulated supply voltages. The supply voltage plane is embedded in the signal layer to supply power to multiple supply voltage pins of a component that is mounted to the printed circuit board. The printed circuit board may also include a supply voltage plane layer to communicate a supply voltage. A ground plane may be embedded in the supply voltage plane layer to provide ground connections to multiple pins of the component.